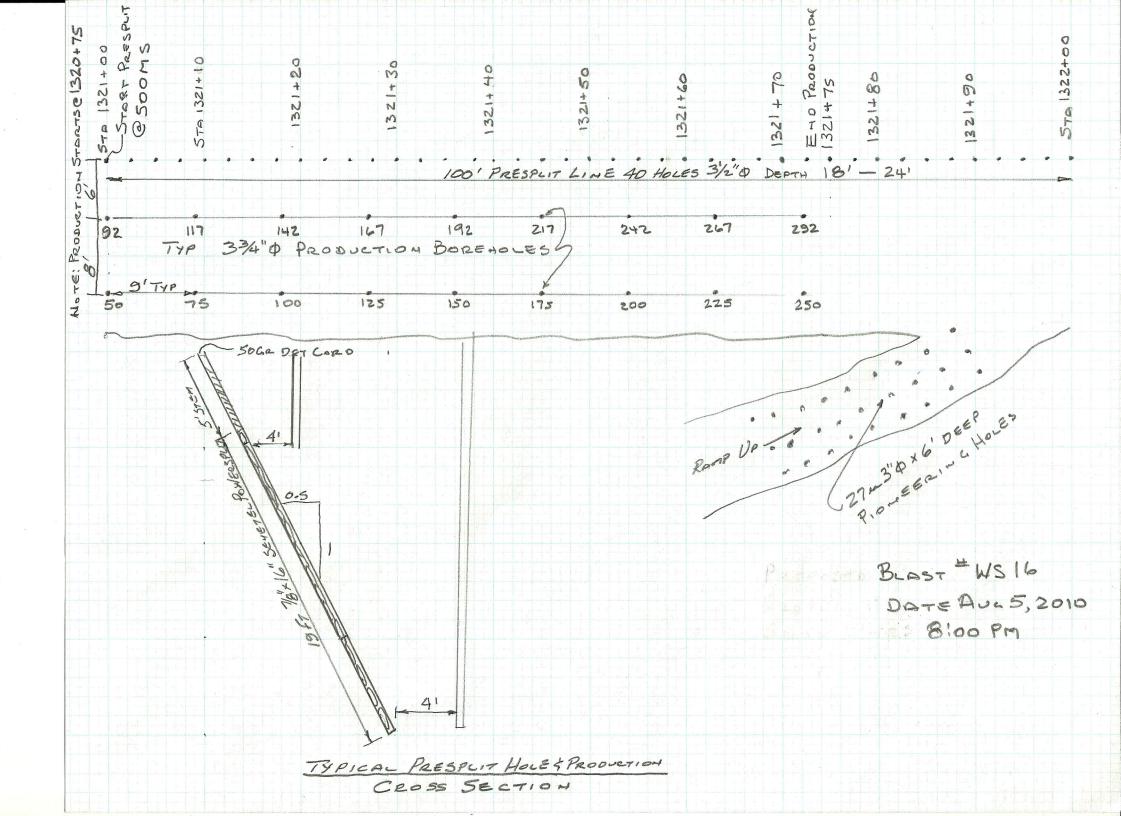
BLAST REPORT		BLAST REPORT # 6/5 16				
Sanders Construction, Inc.		Western States Drilling & Blasting, Inc.				
DATE: AUG 5, 2010		EXACT TIME OF SHOT:				
CUSTOMER: KLB		JOB NO.: WS 2505				
SHOT LOCATION WITH GPS COORDINATES: 1320+75 - 1322+00 TICKET NO.:						
CHECK LIST COMPLETED: (YES) NO						
TYPE OF ROCK: BASALT FACE HEIGHT: 24 FT. POUNDS PER DELAY:						
NUMBER OF HOLES: 51		HOLE DIA: 31/2 BX	xsx30'5/2 STEMMING: _SDEPTH: 14-2'2 P	15		
NUMBER OF HOLES: 22		HOLE DIA: 31/2 BXS 8 x 10 STEMMING: 5 DEPTH: 6-20				
POWDER FACTOR: 53 4/12		LBS. OF EXPLOSIVES: 287 YARDS OF ROCK: 2437				
WEATHER: CLEDE		WIND: COLM				
EXACT MONITOR LOCATION(GPS): DIRECTION OF BLAST: MONITOR TYPE:						
MONITOR: L/R		PVSDb	MONITOR SERIAL NO.:			
			LE:OPERATOR:			
			N OF BLAST: MONITOR TYPE:			
			MONITOR SERIAL NO.:			
DISTANCE TO BLAST:			LE:OPERATOR:			
EXPLOSIVES						
DESCRIPTION	QUANTITY USED	DATE CODE	MAGAZINE REMOVED RETURNED			
LOCATION:						
BULK A/N BAG ANFO	2 1 Bags					
	1Cs + 24ea.	91119				
POWDER 9/8×16	3C.5 ea.	091001				
14/2 8 lb. BOOSTER	(4 ea.	12 JA 09 B4				
14 K 8 lb. BOOSTER	世 31 ea.	070622				
30 ft. Hausines	13 ea.	0 1MA 10 84				
16 ft. 1, 1 1	12 ea.	22300984				
12 M.CT042	4 ea.	31AU 09 B4				
ft.	ea.					
ft.	ea.					
ft. ms	ea.					
	T ft.					
	11.					
25 GRAIN CORD	110 ft.	09 NO0974	***			
50 GRAIN CORD	350 ft.	29000774				
MISCELLANEOUS			No. of			
NLLD	IRL	05 AP 10 B4				
LMS17	8	12300984				
COMMENTS: HOTE: 23 PIONERRING HOLES @ TOP OF RAMP						
6' DEEP on 4'B x 4'S PATTERN WERE FIRED IN						
LOUTION TO PLANED BLAST						
BLASTER'S SIGNATURE: Chan All LICENSE NO.: UP 21262						

ATTACH SKETCH OF SHOT

Revised 03/04

THIS FORM MUST BE FILLED OUT COMPLETELY



Check List

Date 8-4-10

Job Number WSH005

Shot Number <u>WS 16</u>

1. BEFORE BLASTING	2. DURING LOADING	4. AFTER DETONATION
NOTIFICATION Fire Department Utilities Businesses & Home Owners Seismograph Tech Other (List) MATERIAL & EQUIPMENT Adequate Stemming Material Warning Signs	Explosives Running Inventory Access Row Empty Drills & Traffic 50' Away Shot can be fired in case of emergency All Holes to be checked & approved Blaster initial Supt initial 3. DETONATION HOOK - UP All Unnecessary Crew	POST BLAST CHECK Waited for Dust & Funes to Dissipate Walked Entire Area of Shot Insured that tail Surface Delays Fired at the End of Each Row Sounded All Clear Signal LEGAL DOCUMENTATION Completed Shot Report Diagramed Shot w/ Seismograph Location (Direction & Distance) Recorded Seismic Results on Blast
Warning Signals Safe Amount of Lead Line Seismograph Paper, Pens, etc. Fire Extinguishers (charged) Adequate Blasting Shelter Mats (If Applicable)	Cleared All Holes Loaded & Stemmed Hand Check tubing Before Each Connection Visually Insured That Each Connection is Snapped	Report Final Inventory of Explosives Recorded Ticket Number Assigned By Job Supervisor Signed Blast Report w/ License No.
Pattern OK for Area Sufficient Burden to Face Réviewed drill logs Measured Depth, Burden & & Spacing Shot Area Posted & Secure Shot Diagramed on Back	Secure Area Set up Seismograph Est. Checkpoints at Each Access Radio Communication with Checkpoints. Cleared People, Vehicles & Equipment Visual Coverage of Entire Site Five Minute Warning One Minute Warning	Supt has checked and verified that all has been completed and shot area is ready for loading Supt initial